



TIANJIN GREWIN TECHNOLOGY CO.,LTD.

TEM3001-1 LCD Intelligent Network Power Meter Manuel



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TEM3001-1 Intelligent Network Power Meter User Guide

Function introduction:

96X96X60 MM LCD intelligent network power meter

1. Three phase I/U Measurement
2. 2DI
3. 96x96x60mm ultrathin model
4. RS 485,MODBUS-TRU

Optional:

1. 1 channel 4~20mA AO
2. PROFIBUS-DP

ITEMS		DETAILS	
Input Test Display	Web		3P3L,3P4L Configuration
	Voltage	Rated value	AC400V or AC100V Optional
		Overload	Measurement:1.2 times, Instantaneous 2 times/10s
		Consumption	<1VA per phase
		Impedance	>400kΩ
		Precision	RMS measurement Precision ±0.2%
	Current	Rated value	AC5A or AC1A
		Overload	Continued 1.2 times Instantaneous 10 times/10s
		Consumption	<0.4VA per phase
		Impedance	<20mΩ
		Precision	RMS measurement Precision ±0.2%
	Frequency		40~60Hz Precision ±0.02Hz
	Display		LCD/LED display Modbus communication to change the display interface

ITEMS		DETAILS
Digital input	Input	Opto-isolator, Passive idle contact input
	Isolation Voltage	2500Vrms
Digital output	Output	Mechanical contact(passive)
	Voltage	Max.:AC250V DC30V
	Current	Max.:5A
Communication	Interface	RS485
	Protocol	ModBUS-RTU
	Baud rate	2400/4800/9600/19200bps Odd parity check, even parity check, none parity check
Working power	Working voltage	AC:85V~265V or DC:100V~360V
	Power consumption	≤2VA
Work environment	Work temperature	-20℃~55℃
	Storage temperature	-40℃~85℃
	Humidity	0~95% non-condensate
Safe	Insulating strength	Isolation resistance:>100 MΩ Withstand voltage: 2kV 1 min.
Dimension weight	Size	96mm×96mm×71 mm
	Weight	0.4kg